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Apln. Serial No.09/355,732  
AMENDMENT  
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Technology Center 2600

**Amendments to the Claims:**

Please cancel claim 15 without prejudice or disclaimer.

The following listing of the claims replaces all prior versions, and listings, of the  
claims of the application.

1-12 (Cancelled)

13. (Previously Presented) A radio channel assignment method for assigning radio channels for carrying out radio communication between a base station and a plurality of radio terminals in a radio zone of said base station, comprising the step of said base station determining a number of radio channels to be assigned to a first radio terminal according to the rate of increase of stored data to be transmitted per unit time.

14. (Previously Presented) A radio channel assignment method for assigning radio channels for carrying out radio communication between a base station and a plurality of radio terminals in a radio zone of said base station, comprising the step of each of said radio terminals determining a number of radio channels to be assigned to itself according to the rate of increase of stored data to be transmitted by that radio terminal per unit time.

15. (Cancelled)

16. (Previously Presented) A radio channel assignment method for assigning radio channels for carrying out communications between a base station and a plurality of radio terminals in a radio zone of the base station, comprising the steps of:

assigning at least one radio channel to a first radio terminal in said radio zone;

determining the amount of communication data to be sent from said first radio terminal to said base station;

when the amount of communication data is determined to be above a predetermined threshold representing acceptable data transmission capacity for the number of presently assigned radio channels, requesting of said base station an increase in the number of radio channels assigned to said first radio terminal;

when the amount of communication data is determined to be below a predetermined threshold representing acceptable data transmission capacity for the number of presently assigned radio channels, requesting of said base station a decrease in the number of radio channels assigned to said first radio terminal;

in response to a request for an increase in the number of radio channels assigned to said first radio terminal, determining whether a predetermined number of radio channels in said radio zone adjacent to the radio channel assigned to said first radio terminal are unassigned, and if so assigning said predetermined number of adjacent radio channels to said first radio terminal; if a predetermined number of radio channels in said radio zone adjacent to the radio channel assigned to said first radio terminal are not unassigned, reassigning adjacent radio channels presently assigned to

other radio terminals of said plurality of radio terminals to said first radio terminal, and assigning said other radio terminals to other unassigned radio channels in said radio zone.

17. (Previously Presented) The radio channel assignment method of claim 16, wherein when said amount of communication data is below said predetermined threshold, one radio channel is assigned to said first radio terminal, and when said amount of communication data is above said predetermined threshold, a plurality of adjacent radio channels are assigned to said first radio terminal.

18. (Previously Presented) A radio channel assignment method for assigning radio channels for carrying out communications between a base station and a plurality of radio terminals in a radio zone of the base station, comprising the steps of:

assigning at least one radio channel to a first radio terminal in said radio zone;

determining the amount of communication data to be sent from said first radio terminal to said base station;

when the amount of communication data is determined to be above a predetermined threshold representing acceptable data transmission capacity for the number of presently assigned radio channels, requesting of said base station an increase in the number of radio channels assigned to said first radio terminal;

when the amount of communication data is determined to be below a

predetermined threshold representing acceptable data transmission capacity for the number of presently assigned radio channels, requesting of said base station a decrease in the number of radio channels assigned to said first radio terminal;

in response to a request for an increase in the number of radio channels assigned to said first radio terminal, determining whether a predetermined number of radio channels in said radio zone adjacent to the radio channel assigned to said first radio terminal are unassigned, and if so assigning said predetermined number of adjacent radio channels to said first radio terminal; if a predetermined number of radio channels in said radio zone adjacent to the radio channel assigned to said first radio terminal are not unassigned, reassigning said first radio terminal to a predetermined number of other unassigned adjacent radio channels in said radio zone.

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19. (Previously Presented) The radio channel assignment method of claim 18, wherein when said amount of communication data is below said predetermined threshold, one radio channel is assigned to said first radio terminal, and when said amount of communication data is above said predetermined threshold, a plurality of adjacent radio channels are assigned to said first radio terminal.

20. (Previously Presented) The radio channel assignment method of claim 16, further comprising the step of decreasing the number of radio channels assigned to said first radio terminal upon receipt of a request for an assignment of a radio channel

in said radio zone by a second radio terminal having no assigned radio channel in said radio zone.

21. (Previously Presented) The radio channel assignment method of claim 18, further comprising the step of decreasing the number of radio channels assigned to said first radio terminal upon receipt of a request for an assignment of a radio channel in said radio zone by a second radio terminal having no assigned radio channel in said radio zone.

22. (Previously Presented) The radio channel assignment method of claim 16, wherein said radio channels in said radio zone are frequency division multiple access channels.

23. (Previously Presented) The radio channel assignment method of claim 16, wherein said radio channels in said radio zone are time division multiple access channels.

24. (Previously Presented) The radio channel assignment method of claim 18, wherein said radio channels in said radio zone are frequency division multiple access channels.

25. (Previously Presented) The radio channel assignment method of claim 18,

wherein said radio channels in said radio zone are time division multiple access channels.

26. (Previously Presented) A radio channel assignment method for assigning radio channels for carrying out communications between a base station and a plurality of radio terminals in a radio zone of the base station, comprising the steps of:

assigning at least one radio channel to a first radio terminal in said radio zone;

determining the amount of communication data to be sent from said first radio terminal to said base station;

when the amount of communication data is determined to be above a predetermined threshold representing acceptable data transmission capacity for the number of presently assigned radio channels, requesting of said first radio terminal an increase in the number of radio channels assigned to said first radio terminal;

when the amount of communication data is determined to be below a predetermined threshold representing acceptable data transmission capacity for the number of presently assigned radio channels, requesting of said first radio terminal a decrease in the number of radio channels assigned to said first radio terminal;

in response to a request for an increase in the number of radio channels assigned to said first radio terminal, determining whether a predetermined number of radio channels in said radio zone adjacent to the radio channel assigned to said first radio terminal are unassigned, and if so assigning said predetermined number of

adjacent radio channels to said first radio terminal; if a predetermined number of radio channels in said radio zone adjacent to the radio channel assigned to said first radio terminal are not unassigned, reassigning adjacent radio channels presently assigned to other radio terminals of said plurality of radio terminals to said first radio terminal, and assigning said other radio terminals to other unassigned radio channels in said radio zone.

27. (Previously Presented) The radio channel assignment method of claim 26, wherein when said amount of communication data is below said predetermined threshold, one radio channel is assigned to said first radio terminal, and when said amount of communication data is above said predetermined threshold, a plurality of adjacent radio channels are assigned to said first radio terminal.

28. (Previously Presented) The radio channel assignment method of claim 26, further comprising the step of decreasing the number of radio channels assigned to said first radio terminal upon receipt of a request for an assignment of a radio channel in said radio zone by a second radio terminal having no assigned radio channel in said radio zone.

29. (Previously Presented) The radio channel assignment method of claim 26, wherein said radio channels in said radio zone are frequency division multiple access

channels.

30. (Previously Presented) The radio channel assignment method of claim 26, wherein said radio channels in said radio zone are time division multiple access channels.

31. (Previously Presented) A radio channel assignment method for assigning radio channels for carrying out communications between a base station and a plurality of radio terminals in a radio zone of the base station, comprising the steps of:

assigning at least one radio channel to a first radio terminal in said radio zone;

determining the amount of communication data to be sent from said first radio terminal to said base station;

when the amount of communication data is determined to be above a predetermined threshold representing acceptable data transmission capacity for the number of presently assigned radio channels, requesting of said first radio terminal an increase in the number of radio channels assigned to said first radio terminal;

The radio channel assignment method of claim 26, wherein said radio channels in said radio zone are time division multiple access channels.

when the amount of communication data is determined to be below a predetermined threshold representing acceptable data transmission capacity for the number of presently assigned radio channels, requesting of said first radio terminal a decrease in



the number of radio channels assigned to said first radio terminal;

in response to a request for an increase in the number of radio channels assigned to said first radio terminal, determining whether a predetermined number of radio channels in said radio zone adjacent to the radio channel assigned to said first radio terminal are unassigned, and if so assigning said predetermined number of adjacent radio channels to said first radio terminal; if a predetermined number of radio channels in said radio zone adjacent to the radio channel assigned to said first radio terminal are not unassigned, reassigning said first radio terminal to a predetermined number of other unassigned adjacent radio channels in said radio zone.

32. (Previously Presented) The radio channel assignment method of claim 31, wherein when said amount of communication data is below said predetermined threshold, one radio channel is assigned to said first radio terminal, and when said amount of communication data is above said predetermined threshold, a plurality of adjacent radio channels are assigned to said first radio terminal.

33. (Previously Presented) The radio channel assignment method of claim 31, further comprising the step of decreasing the number of radio channels assigned to said first radio terminal upon receipt of a request for an assignment of a radio channel in said radio zone by a second radio terminal having no assigned radio channel in said radio zone.

34. (Previously Presented) The radio channel assignment method of claim 31,  
wherein said radio channels in said radio zone are time division multiple access  
channels.

35. (Previously Presented) The radio channel assignment method of claim 31,  
wherein said radio channels in said radio zone are time division multiple access  
channels.

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